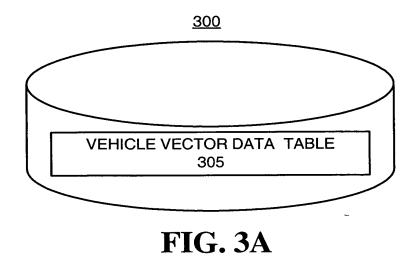
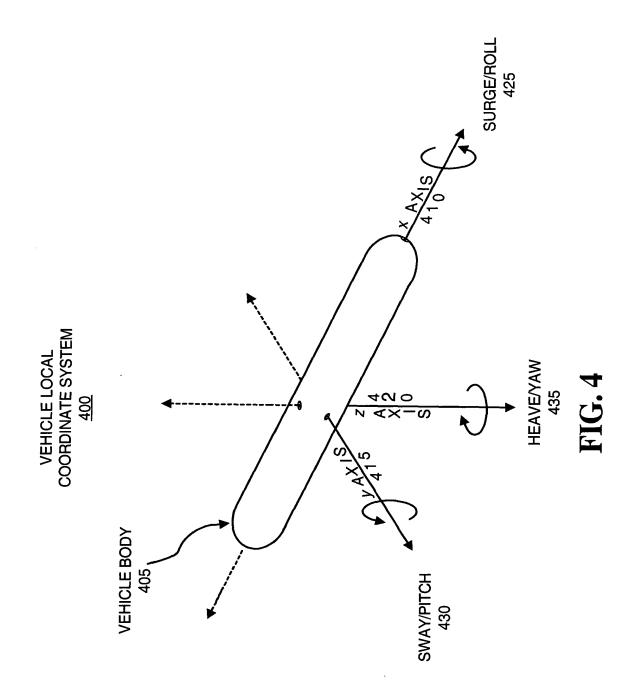


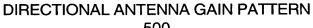
02-4115; Jerry D. Burchfiel SYSTEMS AND METHODS FOR IMPLEMENTING VECTOR MODELS FOR ANTENNA COMMUNICATIONS Express Mail No. ER131624803US



| TABLE ENTRIES | VEHICLE VECTOR DATA TABLE 305 | | | | | | | | | | | |
|------------------|----------------------------------|-----------|-----------------|-----------------|------------------|-------------------|--------------|---------------------|-------------|---------------------|-----------------|-----------------------------|
| 310 | TARGET VEHICLE ID 315 | \vec{T} | <i>v</i> 325 | $ec{i}_{ec{v}}$ | ु 33 5 | $\vec{i}_{ec{g}}$ | <i>m</i> 345 | $\vec{i}_{\vec{m}}$ | \vec{i}_N | $ec{i}_{ec{E}}$ 360 | <i>М</i> 365 | $ec{i}_{ec{v}_{local}}$ 370 |
| | vehicle_id_1 | 020 | 020 | 000 | 000 | 040 | 040 | 000 | 000 | 000 | 000 | 0,0 |
| | vehicle_id_2 | | | | | | | | | | | |
| | vehicle_id_3 | | | | | | | | | | | |
| | • | | • | | | • | | | • | | | |
| + | vehicle_id_N | | | | | | | | | | | |

FIG. 3B





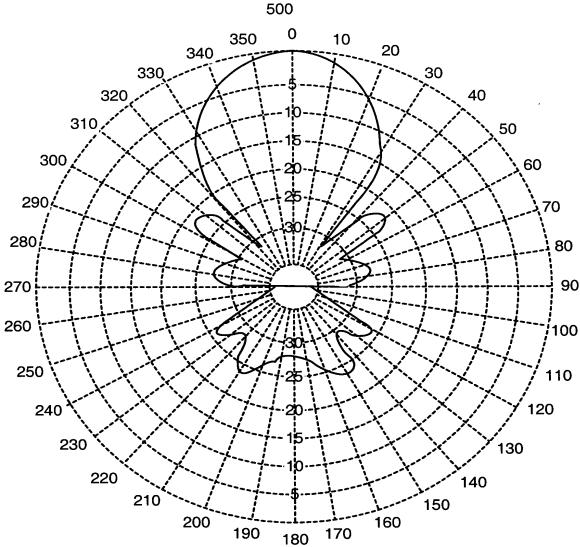


FIG. 5

02-4115; Jerry D. Burchfiel SYSTEMS AND METHODS FOR IMPLEMENTING VECTOR MODELS FOR ANTENNA COMMUNICATIONS Express Mail No. ER131624803US

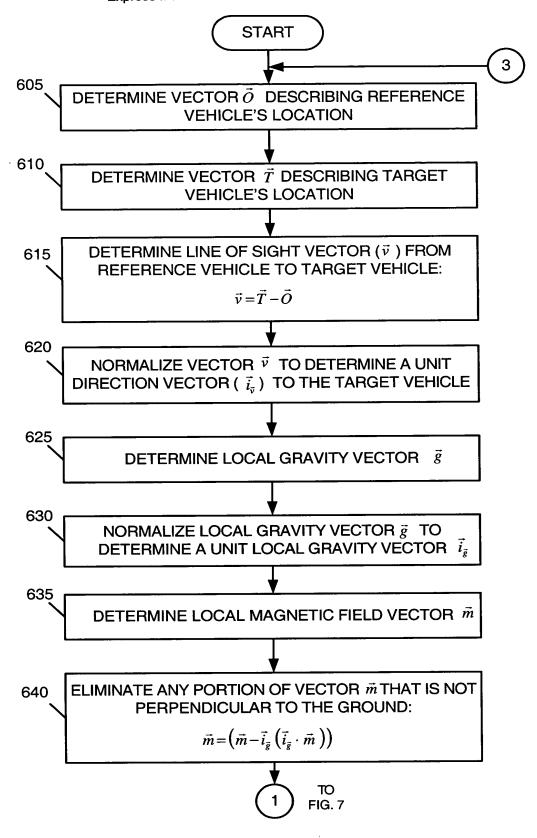


FIG. 6

02-4115; Jerry D. Burchfiel SYSTEMS AND METHODS FOR IMPLEMENTING VECTOR MODELS FOR ANTENNA COMMUNICATIONS Express Mail No. ER131624803US

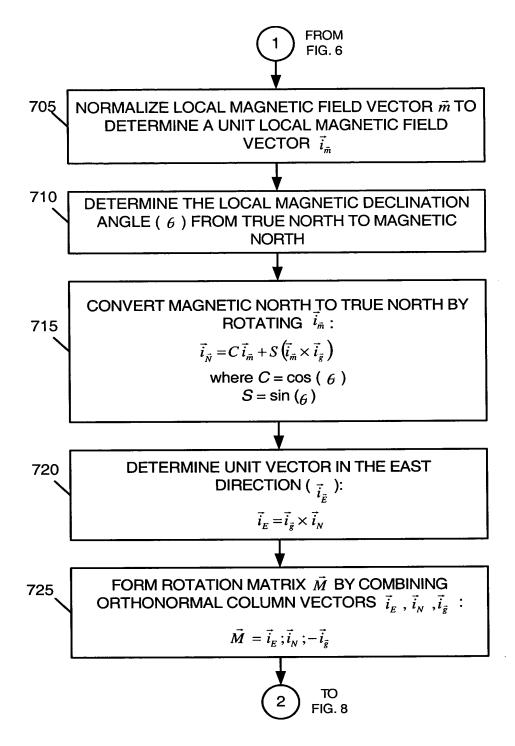


FIG. 7

